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PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Application Number					
Filing Date					
First Named Inventor		Kia Silverbrook			
Art Unit					
Examiner Name					
Attorney Docket Number		ZG003US			
Sheet	1	of	8		

U.S. PATENT DOCUMENTS					
Examiner Initials ⁵	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US 6,130,967 *	10.10.2000	Lee et al	
		US 5,675,719 *	10.07.1997	Matias	
		US 6,229,622 *	05.08.2001	Takeda	
		US 5,719,604	02.17.1998	Inui et al	
		US 5,666,141	09.09.1997	Matoba et al	
		US 4,672,398	06.09.1987	Kuwabara et al	
		US 4,737,802	04.12.1988	Mielke	
		US 5,029,805	07.09.1991	Albarda et al	
		US 5,258,774	11.02.1993	Rogers	
		US 4,553,393	11.19.1985	Ruoff	
		US 4,864,824	09.12.1989	Gabriel et al	
		US 4,423,401	12.27.1983	Mueller	
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 0 713 774	05.29.1996	Sharp Kabushiki Kaisha		
		DE 195 16 997	11.16.1995	Sharp K.K		
		DE 196 23 620	12.19.1996	Sharp K.K		
		JP 2-108544 (Abstract)	04.20.1990	Seiko Epson Corp		
		JP 2-92643 (Abstract)	04.03.1990	Seiko Epson Corp		
		JP 4-353458 (Abstract)	12.08.1992	Brother Ind Ltd		
		JP 6-91865 (Abstract)	04.05.1994	Seikosha Co Ltd		
		JP 6-91866 (Abstract)	04.05.1994	Seikosha Co Ltd		
		JP 2-265752 (Abstract)	10.30.1990	Matsushita Electronic Ind Co Ltd		
		EP 0 634 273	01.18.1995	Sharp Kabushiki Kaisha		

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		DE 195 32 913	03.28.1996	Sharp K.K		
		JP 58 112747 (Abstract)	07.05.1983	Fujitsu KK		
		DE 43 28 433	03.02.1995	Heidleberger Druckmaschinen AG		
		JP 61 025849 (Abstract)	02.04.1986	Canon Inc		
		JP 01 128839 (Abstract)	05.22.1989	Ricoh Co Ltd		
		JP 04 126255 (Abstract)	04.27.1992	Seiko Epson Corp.		
		GB 2 262 152	06.09.1993	Willett Int Ltd		
		DE 195.16.997	11.16.1995	Sharp K.K		
		JP 05.318724 (Abstract	12.03.1993	Seikosha Co Ltd		

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Sheet	3	of	8	Attorney Docket Number ZG003US	

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		JP 02 162049 (Abstract)	06.21.1990	Seiko Epson Corp		
		DE 32 45 283	06.07.1984	Siemens AG		
		JP 04 368851 (Abstract)	12.21.1992	Seiko Epson Corp		
		JP 02 158348 (Abstract)	06.18.1990	Minolta Camera Co. Ltd		
		JP 03 112662 (Abstract)	05.14.1991	Seiko Epson Corp		
		JP 03 653348 (Abstract)	03.20.1991	Matsushita Electric Ind. Co.		
		EP 0 431 338	06.12.1991	Matsushita Electric Ind. Co.		
		JP 01 257058	10.13.1989	Seiko Epson Corp		
		DE 195 17 969	11.30.1995	Sharp K.K.		

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Sheet 4 of 8				Attorney Docket Number ZG003US	

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		DE 196 39 717	04.17.1997	Sharp K.K		
		EP 0 737 580	10.16.1996	Canon K.K		
		EP 0 882 590	12.09.1998	Canon K.K		
		EP 0 478 956	04.08.1992	Kernforschungs- und Maschinenbau GmbH		
		DE 1 648 322	03.24.1971	VDO Tachometerwerke GmbH		
		GB 1 428 239	03.17.1976	Cibie Projecteurs		
		DE 39 34 280	04.26.1990	CAE di Cipelletti Alberto		
		DE 29 05 063	08.14.1980	Olympia Werke AG		
		WO 94 18010	08.18.1994	Domino Printing Sciences PLC		

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Sheet	5	of	8		

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 0 398 031	11.22.1990	Seiko Epson Corp		
		EP 0 427 291	05.15.1991	Seiko Epson Corp		
		JP 01 115639 (Abstract)	05.08.1989	Ricoh Co Ltd		
		JP 58 116165 (Abstract)	07.11.1983	Canon K.K		
		EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA		
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		JP 04 118241 (Abstract)	04.20.1992	Seiko Epson Corp		
		EP 0 506 232	09.30.1992	Videojet Systems Int, Inc		
		JP 07 314665 (Abstract)	12.05.1995	Canon Inc		
		JP 03 180350	08.06.1991	Seiko Epson Corp		

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		WO 97 12689	04.10.1997	The Board of Trustees of the Leland Stanford University		
		JP 02 050841 (Abstract)	02.20.1990	Seiko Epson Corp		
		EP 0 510 648	10.28.1992	Ivri Yehuda		
		JP 05 28765 (Abstract)	10.29.1993	Canon Inc		
		JP.04 141429.(Abstract)	05.14.1992	Seiko Epson Corp		
		JP.01 105746.(Abstract)	04.24.1989	Ricoh Co. Ltd		
		GB 792 145	03.19.1958	Technograph Printed Circuits Ltd		
		EP 0 750 993	01.02.1997	Canon K.K		

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		JP 01 306254 (Abstract)	12.11.1989	Seiko Epson Corp		
		EP 0 092 229	10.26.1983	Siemens AG		
		DE 37 16 996	12.08.1988	VDO Schindling		
		DE 34 30 155	02.27.1986	Siemens AG		
		FR 2 231 076	12.20.1974	Electricite De France		
		EP 940975 *	09.08.1999	Seiko Epson Corp		
		EP 899684 *	03.03.1999	Seiko Epson Corp		
		EP 540338 *	01.28.1998	Canon Kabushiki Kaisha		
		JP 40 4001051 *	01.06.1992	Ricoh Co Ltd		

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol-55, no. 1, 15-July 1996, pp 65-69, XP004077979 ISSN: 0924-4247.	
		ATAKA, MANABU et al, "Fabrication and Operation of Polyimide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.	
		Derwent Abstract Accession No. 2001-020348/03, Class P75; T01, JP 2000-293335-A (SEIKO EPSON CORPORATION) 20 October 2000.*	
		Derwent Abstract Accession No. 98-081618/08, Class W02, JP 09-314915 A (CANON KABUSHIKI KAISHA) 9 December 1997.*	

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